



Toyota Motor North America, Inc.
1588 Woodridge Avenue
Ann Arbor, Michigan 48105

August 28, 2019

*Mr. Allen Lyons, Chief
Emissions Certification and Compliance Division
California Air Resources Board
9480 Telstar Avenue, Suite 4
El Monte, CA 91731*

**Subject: Update to Voluntary Emissions Recall Report for Safety Recall Campaign – J0V
Certain Toyota 2010 to 2014 Model Year Prius and 2012 to 2014 Model Year Prius V
Vehicles**

Toyota is updating the Technical Instructions (TIs) for the subject campaign previously approved by CARB on November 28, 2018 (Reference: CARB approval #F-2018-103). Toyota has identified limited cases where the campaign could not be implemented on affected vehicles due to incorrect service parts installation. TIs have been updated to confirm this condition and, if necessary, to install correct parts prior to performing the campaign.

Please refer to attached revised TIs and previously submitted and approved VERR #TOYOTA-VER-20181220 and letters. If you have any further questions regarding this matter, please contact Mr. Arvon Mitcham of my staff at (734) 995-5587 or arvon.mitcham@toyota.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Will Meschievitz".

William Meschievitz
Group Manager
Powertrain Certification and Compliance

cc: Mr. Wong, Mr. Ho – Field Operations/Warranty Section
S177 States: States of CT, DE, ME, MD, MA, NJ, NY, OR, PA, RI, VT, WA

Toyota Motor North America, Inc.
1588 Woodridge
Ann Arbor, Michigan 48105

December 20, 2018

***Ms. Annette Hebert, Chief
ECARS Division
California Air Resources Board
9480 Telstar Avenue, Suite 4
El Monte, CA 91731***

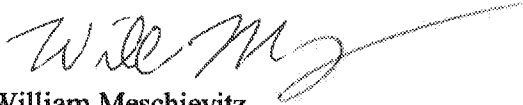
**Subject: Voluntary Emissions Recall Report for Safety Recall Campaign – J0V Certain
Toyota 2010 to 2014 Model Year Prius vehicles and 2012 to 2014 Model Year Prius V
vehicles and CARB Approval Letter No. F-2018-103 dated November 28, 2018**

Toyota will launch the subject Safety Recall Program, J0V for approximately 807,300 total units. This campaign instructs when the remedy becomes available, any authorized Toyota dealer will perform a software update for the hybrid system FREE OF CHARGE. In addition, for customer satisfaction, if the vehicle has experienced an inverter failure with certain hybrid system faults related to this condition, the inverter assembly will be repaired or replaced FREE OF CHARGE. This recall affects 211,446 California vehicles. This campaign will incorporate the California Department of Motor Vehicle (DMV) Registration Renewal/Recall Tie-in Program. Owners will be unable to register or sell their vehicles if Safety Recall J0V is not completed and a Proof of Correction (POC) form is not issued.

The involved vehicles contain software used to control the Intelligent Power Module (IPM) within the inverter assembly, a part of the vehicle's hybrid system. If a specific transistor within the IPM fails in a certain way during a high-load driving condition, such as during hard acceleration, there is a possibility for an abnormally high voltage to be generated that could exceed a certain limit in the software and IPM circuit design. If this abnormally high voltage is generated, there is the possibility that the hybrid system could shut down instead of entering a failsafe driving mode that would provide reduced motive power and allow the vehicle to be driven for certain distances. This recall remedy will address a new condition in the vehicles involved in previous Safety Recalls E0E & F0R. The previous recalls E0E & F0R did not anticipate the new condition remedied with this recall. On October 4, 2018, Toyota filed a Defect Information Report (DIR) with the National Highway Traffic Safety Administration (NHTSA) informing the agency regarding this Safety Recall.

Pursuant to the requirements outlined in Part 85 (Subpart T) of 40 CFR, Toyota has issued the attached Emissions Defect Information Report (EDIR) #TOYOTA-DIR-2014-0212 for Prius and #TOYOTA-DIR-20150715 for Prius V. The applicable letters and Technical Instructions for this Safety Recall Campaign are also attached. If you have any further questions regarding this matter, please contact Mr. Arvon Mitcham of my staff at (734) 995-5587 or arvon_mitcham@toyota.com.

Sincerely,



William Meschievitz

Group Manager

Powertrain Certification and Compliance

Attachments

cc: Mr. Jeff Wong, Manager – Field Operations/Warranty Section

1. Description of Potentially Affected Vehicles

Make	Model Year(s)	Model(s)	Test Group(s)	Engine	Potentially Affected Vehicles
Toyota	2010	Prius	ATYXV01.8HC3	2ZR-FXE	250,535
	2011	Prius	BTYXV01.8HC3	2ZR-FXE	137,121
	2012	Prius	CTYXV01.8HC3	2ZR-FXE	125,416
	2012	Prius V	CTYXV01.8CCU	2ZR-FXE	50,101
	2013	Prius	DTYXV01.8HC3	2ZR-FXE	147,223
	2013	Prius V	DTYXV01.8CCU	2ZR-FXE	33,795
	2014	Prius	ETYXV01.8HC3	2ZR-FXE	38,103
	2014	Prius V	ETYXV01.8CCU	2ZR-FXE	24,724

Number of the affected vehicles is approximately 807,300 total units and California approximately 211,446 units. For S177 States, the number of vehicles is: MA=21,187; ME=4,712; NJ=14,749; NY=31,794; VT=2,795

2. Description of Repair

Toyota will begin to notify owners in early January 2019. A sample of the owner notification letter has been included for your reference.

3. Owner's Name and Address

Toyota uses lists and addresses provided by IHS Markit and, when there is no IHS data available, Toyota will use internal company sales lists to notify owners of affected vehicles.

4. Eligibility for Repair

Any authorized Toyota dealer will perform a software update for the hybrid system FREE OF CHARGE. For customer satisfaction, if the vehicle has experienced an inverter failure with certain hybrid system faults related to this condition, the inverter assembly will be repaired or replaced FREE OF CHARGE.

5. Owner Procedure

Toyota will send an owner notification by first class mail starting in January 2019, advising owners to make an appointment with their authorized Toyota dealer to have a software update for the hybrid system performed FREE OF CHARGE. For customer satisfaction, if the vehicle has experienced an inverter failure with certain hybrid system faults related to this condition, the inverter assembly will be repaired or replaced FREE OF CHARGE.

6. Performance of Repair

The software update will take approximately 45 minutes to complete. If the inverter needs to be repaired or replaced, the repair could take up to 7.5 hours. However, depending on the dealer's work schedule, it may be necessary to make the vehicle available for a longer period of time.

7. Letter of Notification to Owners

Toyota will send an owner notification by first class mail starting in early January 2019, advising owners of this Safety Recall Campaign.

8. Parts Supply

There are sufficient parts for this campaign.

9. Repair Instructions

A copy of the **Technical Instructions** for this Safety Recall Campaign J0V is attached.

10. Impact on Fuel Consumption, Drivability and Safety

This repair will not affect fuel economy and/or drivability. Safety is affected, and NHTSA has been notified.

11. Completion Label

Completed vehicles will be tracked through the Technical Information System (TIS).

November 28, 2018

Reference No. F-2018-103

Mr. William Meschivitz, Group Manager
Powertrain Certification and Compliance
Toyota Motor North America, Inc.
1588 Woodridge
Ann Arbor, Michigan 48105

Dear Mr. Meschivitz:

The California Air Resources Board (CARB) has received your letter regarding Toyota's proposed emissions related safety recall, recall number J0V, affecting certain 2010-2014 model year Toyota Prius vehicles and 2012-2014 model year Prius V vehicles (Test Groups: ATYXV01.8HC3, BTYXV01.8HC3, CTYXV01.8HC3, DTYXV01.8HC3, ETYXV01.8HC3, CTYXV01.8CCU, DTYXV01.8CCU, and ETYXV01.8CCU). Toyota has discovered that affected vehicles may not enter a failsafe driving mode as intended in response to certain hybrid system faults. This may occur when a specific transistor within the intelligent power module fails during a high-load driving condition which could lead to the generation of high voltage, shut down the hybrid system, and increase the risk of a crash. Toyota will conduct a recall to update the software for the hybrid control module to prevent the hybrid system shutdown and provide enhancement to the failsafe driving mode in the event of a failure for all affected vehicles. This recall involves 211,446 California vehicles and is scheduled to begin in December, 2018.

CARB has reviewed Toyota's voluntary emission recall plan and owner notification letter and finds that they meet the requirements of the California Code of Regulations, Title 13, Sections 2111-2120. If you have any questions, please contact Mr. Jeffrey Wong, Manager at (626) 575-7009 or jwong@arb.ca.gov.

Sincerely,



FOR Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

cc: Jeffrey Wong, Manager
Field Operations/Warranty Section
Emissions Compliance, Automotive Regulations and Science Division